

Work Order ID 141771

February 11, 2016 10:34:19 AM

141771

Page 1

Item ID: D412-769-043

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Aft Facing Seat Assembly, LH

Stop

NS2

Start Date: 2/11/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 2/18/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

SDH

Date:

20160211

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D412-769-1

Rev B(DEO)

100

Pick Kit

0.00

100

Packaging

Memo

0.00

Packaging

*1**FF**FEB 19 2016*

110

Small Fab

0.00

110

Small Fab

Memo

0.02

Small Fab

1- Loosely assemble as per
dwg D412-769-1 except for aft connection of D3783-0452- Temporarily place spacers D4679-1 and seat pan D3774-1 clamp in place and
transfer drill hole for connection of D3783-045 in seat pan.

3-Remove seat pan and enlarge drilled hole to 3/4"

4-place seat frame on assembly jig DT-9006

5-tighten all connections

*1**FF**FEB 19 2016**2/16*

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
Root Cause				FAULT CATEGORY																					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____																			

Work Order ID 141771

February 11, 2016 10:34:19 AM

141771

Page 2

Item ID: D412-769-043 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Aft Facing Seat Assembly, LH
Start Date: 2/11/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 2/18/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00				①			38 9-88 FEB 22 2016
130 *130* Powdercoat Powder Coating	Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3 <i>1/11/30746.</i> Memo 1- mask D3782-041 and D3782-043 front legs and D3787-1 foot as per dwg D412-769-041 2- install bolts in 3 place (in seat belt eye bolt holes) to ensure leg does not move when Powdercoat 3- Powder coat remainig of assembly grey as per dwg D412-769-1START	0.00 0.01							<i>START: 7:15. W.T: 320. FINISH: 7:45.</i> <i>1 16-02-23 DAS 3488</i>
140 *140* QC Quality Control	QC3- Inspect Part Finish Memo	0.00 0.00							<i>1 FF</i> FEB 23 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
				Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
				Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
				Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
				Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
				Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
				Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
				Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
				OTHER : _____			

February 11, 2016 10:34:19 AM

Page 3

DAS
38
9-89

FEB 23 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mis-labeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Work Order ID 141771

February 11, 2016 10:34:19 AM

141771

Page 4

Item ID: D412-769-043

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Aft Facing Seat Assembly, LH

Stop ***NS2***

Start Date: 2/11/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 2/18/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180	Identify as per dwg & Stock Location: _____	0.00							
180									DAS
Packaging	Memo	0.00							6
Packaging		<i>app 141860</i>							FEB 24 2016
190	QC21- Final Inspection - Work Order Release	0.00							
190									FEB 24 2016
QC	Memo	0.00							<i>MCS</i>
Quality Control									<i>MCS</i> FEB 24 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :			
Misidentified	☐	Past Due	☐				

Picklist Print

February 11, 2016 10:34:23 AM

Page 1

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

Comments:- IPP rev A 08.05-12 new issue DD verified by:EC
 IPP Rev:B 08-07-17 revB as per dwg DD verified by:ec
 IPP Rev:C 08-08-21 move D3792-1 after powder coat DD verified by:EC
 12.07.27 (DEO-B1) (ECN12-621) DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN3-5A *AN3-5A* Bolt		Purchased	No			110	Each	212.0000	6	6		FEB 18 2016	
** PF													

Location	Loc Qty	Loc Code
FP001	22	
m133686	22	
GA	34	
m133686	34	
ST350	156	
m133686	36	
m134055	120	

AN4-15A *AN4-15A* Bolt	Purchased	No				110	Each	327.0000	2	2		FEB 18 2016	
** PF													

Location	Loc Qty	Loc Code
GA	40	
120449	40	
over003	100	
m134055	100	
ST343	187	
m133284	3	
m133769	184	

Picklist Print

February 11, 2016 10:34:24 AM

Page 2

Work Order ID: 141771

Parent Item: D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

141771

D412-769-043

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

AN45-13A	Purchased	No	110	Each	9.0000	1	1	
AN45-13A								
EYE BOLT								
						**		FF FEB 18 2016

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

GA	3	
m126293	3	
ST339	6	
m131481	6	

AN5-10A	Purchased	No	110	Each	268.0000	6	6	
AN5-10A								
Bolt								
						**		FF FEB 18 2016

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

GA	51	
122800	51	
over003	150	
m134039	150	
ST338	67	
m133483	17	
m133769	50	

AN5-13A	Purchased	No	110	Each	48.0000	2	2	
AN5-13A								
BOLT								
						**		FF FEB 18 2016

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

CA	2	
m129682	2	
GA	11	
122800	11	
ST338	35	
m132803	35	

Picklist Print

February 11, 2016 10:34:24 AM

Page 3

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

AN525-10R24

Purchased No

110

Each

62.0000

9

9

AN525-10R24

Screw

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

GA

50

m131467

50

ST328

12

122814

12

D3766-1

Manufactured No

110

Each

1.0000

1

1

D3766-1

Front Rail, LH

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST254

1

97157

1

D3766-3

Manufactured No

110

Each

2.0000

1

1

D3766-3

Rear Rail

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST254

2

123705

2

D3767-1

Manufactured No

110

Each

3.0000

1

1

D3767-1

Upper Rail

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST254

3

104913

3

Picklist Print

February 11, 2016 10:34:24 AM

Page 4

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D3782-041

Manufactured No

110

Each

2.0000

1

1

D3782-041

Front, Outboard Leg Assembly

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST252

2

127442

2

D3782-043

Manufactured No

110

Each

1.0000

1

1

D3782-043

Front, Outboard Leg Assembly, LH

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST252

1

127575

1

D3782-045

Manufactured No

110

Each

1.0000

2

2

D3782-045

Back Leg Assembly

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST255

1

119414

1

D3783-041

Manufactured No

110

Each

1.0000

1

1

D3783-041

Lateral Brace Assembly

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST253

1

127714

1

D3783-043

Manufactured No

110

Each

2.0000

2

2

D3783-043

Longitudinal Brace Assembly

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST252

2

127610

2

2

February 11, 2016 10:34:24 AM

Shop Packet Print

Page 4

Picklist Print

February 11, 2016 10:34:24 AM

Page 5

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D3783-045

Manufactured No

110

Each

3.0000

1

1

D3783-045

Angle Brace Assembly

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST253

3

127583

3

D3784-041

Manufactured No

110

Each

1.0000

1

1

D3784-041

Seat Support Assembly, Center

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST253

1

129756

1

D3784-043

Manufactured No

110

Each

1.0000

1

1

D3784-043

Seat Support Assembly, LH

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST275

1

129933

1

D3784-044

Manufactured No

110

Each

2.0000

1

1

D3784-044

Seat Support Assembly, RH

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST275

2

127712

2

Picklist Print

February 11, 2016 10:34:24 AM

Page 6

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

110

Each

2,175.000

9

9

MS21042I 3

Nut

FF

FEB 18 2016

Location

Loc Qty

Loc Code

FP001

163

m133790

163

GA

162

m133790

162

ST304

1850

m134039

1850

MS21042L4

Purchased

No

110

Each

2,862.000

2

9
2

MS21042I 4

Locknut

FF

FEB 18 2016

Location

Loc Qty

Loc Code

FP001

41

m133363

41

GA

456

m133769

456

ST007

1500

m134055

1500

ST303

768

m133769

768

ST305

97

m130922

97

Picklist Print

February 11, 2016 10:34:24 AM

Page 7

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

110

Each

1,597.000

23

23

NAS1149D0363.J

Washer

FF

FEB 18 2016

Location

Loc Qty

Loc Code

GA

64

m130799

64

ST260a

1000

m134055

1000

ST263

533

m133790

35

m133932

498

23

NAS1149D0463J

Purchased

No

110

Each

5,654.000

4

4

NAS1149D0463.J

WASHER

FF

FEB 18 2016

Location

Loc Qty

Loc Code

GA

237

M129390

41

M132035

196

ST260a

1975

M134039

1975

ST263

2093

M134039

2093

ST269

1349

M130799

361

M132317

100

M132677

888

4

Picklist Print

February 11, 2016 10:34:24 AM

Page 8

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0563J

Purchased

No

110

Each

1,240.000

20

20

NAS1149D0563.J

Washer

FF

FEB 18 2016

Location

Loc Qty

Loc Code

GA

53

m125807

53

ST260a

900

m133769

400

m133990

500

ST263

184

m133363

14

m133938

170

ST269

103

m128257

103

20

AN525-10R22

Purchased

No

160

Each

58.0000

11

11

AN525-10R22

Screw

FF

FEB 18 2016

Location

Loc Qty

Loc Code

GA

58

M129521

8

M131467

50

AN525-10R28

Purchased

No

160

Each

5.0000

2

2

AN525-10R28

SCREW

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST328

5

m128179

5

2

Picklist Print

February 11, 2016 10:34:24 AM

Page 9

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D3774-1 Manufactured No

160 Each 2.0000 1 1

D3774-1

Seat Bottom, LH/RH

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST250

2

135466

2

D3774-3 Manufactured No

160 Each 4.0000 1 1

D3774-3

Seat Back, LH/RH

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST250

4

124120

1

129470

3

D3775-1 Manufactured No

160 Each 7.0000 2 2

D3775-1

Guard

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST053

7

123717

3

127643

4

D3792-1 Manufactured No

160 Each 15.0000 3 3

D3792-1

Eye Bolt

**

FF

FEB 18 2016

Location

Loc Qty

Loc Code

ST253

15

104354

7

127630

8

Picklist Print

February 11, 2016 10:34:24 AM

Page 10

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D4679-1

Manufactured No

160 Each

22.0000

2

2

D4679-1

Spacer

FF FEB 18 2016

Location

Loc Qty

Loc Code

GA

22

111023

2

127580

20

2

MS21042L3

Purchased No

160 Each

2,175.000

19

19

MS21042L3

Nut

FF FEB 18 2016

Location

Loc Qty

Loc Code

FP001

163

m133790

163

GA

162

m133790

162

ST304

1850

m134039

1850

19

MS21042L5

Purchased No

160 Each

643.0000

12

12

MS21042L5

Nut

FF FEB 18 2016

Location

Loc Qty

Loc Code

GA

146

m127813

146

ST007

400

m134055

400

ST303

97

m133790

97

12

Picklist Print

February 11, 2016 10:34:24 AM

Page 11

Work Order ID: 141771

141771

Parent Item: D412-769-043

D412-769-043

Parent Item Name: Aft Facing Seat Assembly, LH

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0332J

Purchased

No

160

Each

1,461.000

11

11

NAS1149D0332.J

Washer

FF

FEB 18 2016

Location

Loc Qty

Loc Code

CA

14

m129682

14

FP001

58

m129682

58

GA

155

m132677

155

ST260a

600

m133988

600

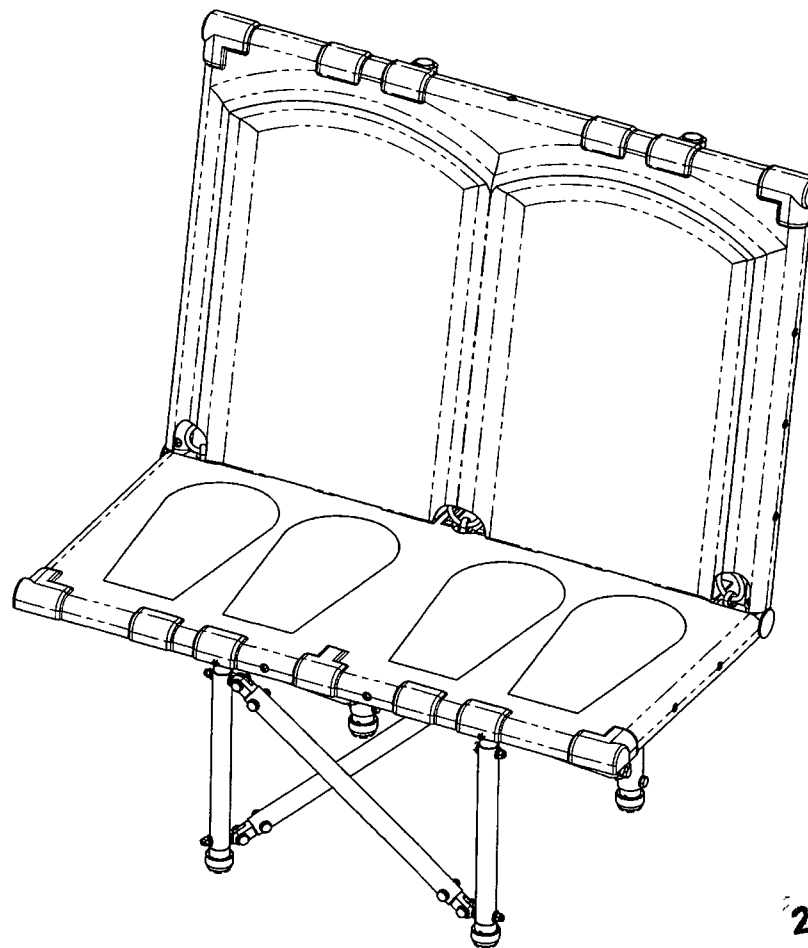
ST264

634

m133498

634

11



D412-769-043 AFT FACING SEAT ASSY, LH

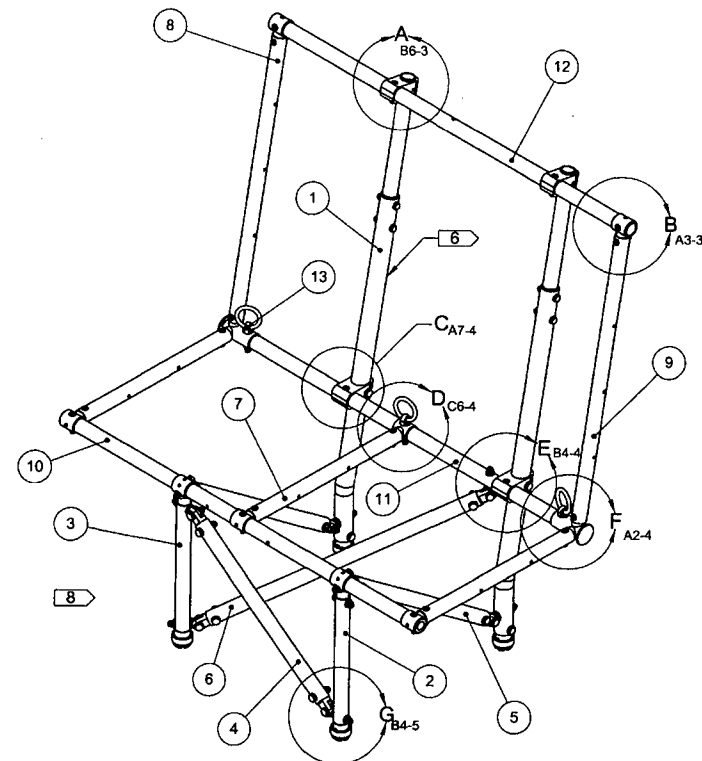
RELEASED
08.07.09

20160211

SH 191771

B	NEW HARDWARE	HS	08.06.25
A	NEW ISSUE	HS	08.06.04
REV.	DESCRIPTION	BY	DATE
DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	HS	DRAWING NO.	REV. B
MFG. APPR.	HS	D412-769-1	SHEET 1 OF 7
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	AFT FACING SEAT ASSY, LH	NTS
DATE	08.06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
1	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
3	D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
4	D3783-041	LATERAL BRACE ASSY	1
5	D3783-043	LONGITUDINAL BRACE ASSY	2
6	D3783-045	ANGLE BRACE ASSY	1
7	D3784-041	SEAT SUPPORT ASSY	1
8	D3784-043	SEAT SUPPORT ASSY, LH	1
9	D3784-044	SEAT SUPPORT ASSY, RH	1
10	D3766-1	FRONT RAIL, LH	1
11	D3766-3	REAR RAIL	1
12	D3767-1	UPPER RAIL	1
13	D3792-1	SEAT BELT EYE BOLT	3
14	D3775-1	GUARD	2
15	D3774-1	SEAT BOTTOM	1
16	D3774-3	SEAT BACK	1
17	AN3-5A	BOLT	6
18	AN4-15A	BOLT	2
19	AN45-13A	EYE BOLT	1
20	AN5-10A	BOLT	6
21	AN5-13A	BOLT	2
22	AN525-10R22	SCREW	13
23	AN525-10R24	SCREW	9
24	MS21042L3	NUT	28
25	MS21042L4	NUT	2
26	MS21042L5	NUT	12
27	NAS1149D0332J	WASHER (AN960JD10L)	13
28	NAS1149D0363J	WASHER (AN960JD10)	21
29	NAS1149D0463J	WASHER (AN960JD416)	4
30	NAS1149D0568J	WASHER (AN960JD516)	20



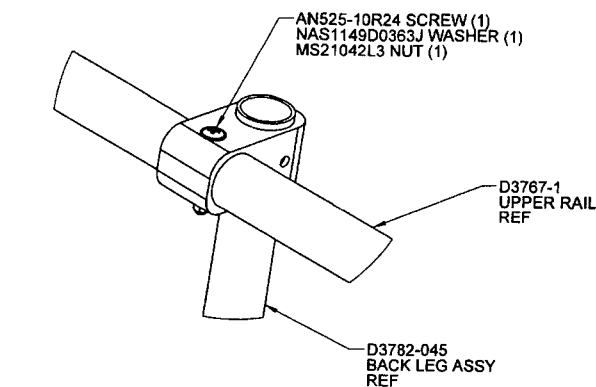
D412-769-043 AFT FACING SEAT ASSY, LH

RELEASED
08-07-09

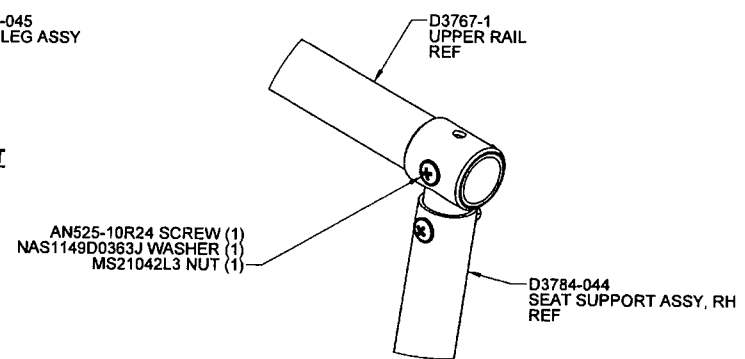
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT ASSEMBLED SEAT "GREY SANDEXT" (4.3.5.6) PER DART QSI 005 4.3 PRIOR TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1/-3). MASK FRONT LEGS PRIOR TO POWDER COAT.
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
- 7) WEIGHT: 30.0 lbs
- 8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-1	SHEET 2 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, LH	NTS
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DETAIL A D2-2
UPPER RAIL TO BACK LEG ATTACHMENT
 2 PL

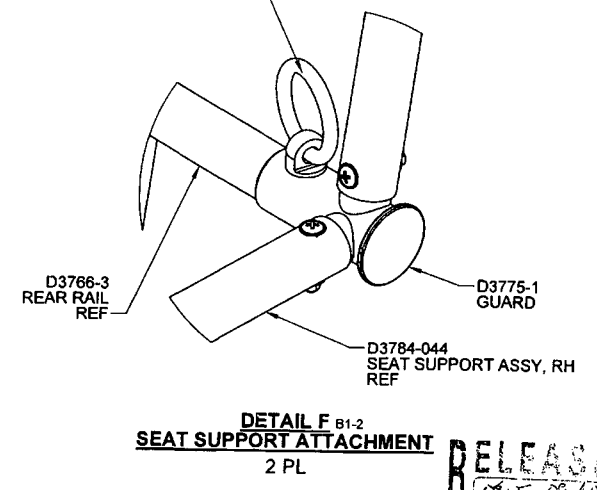
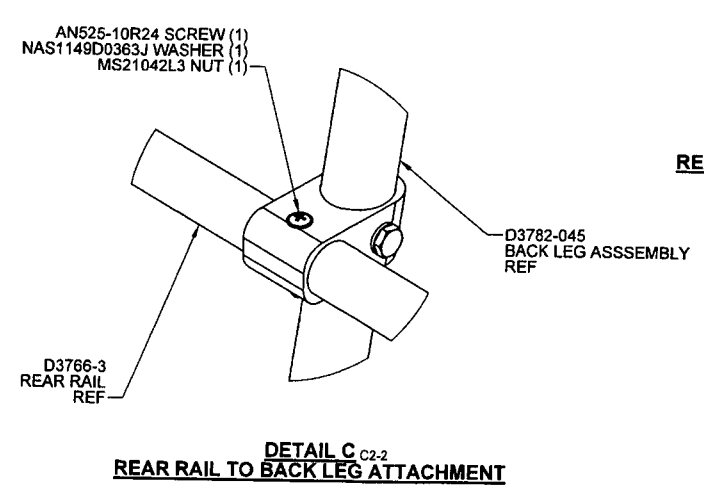
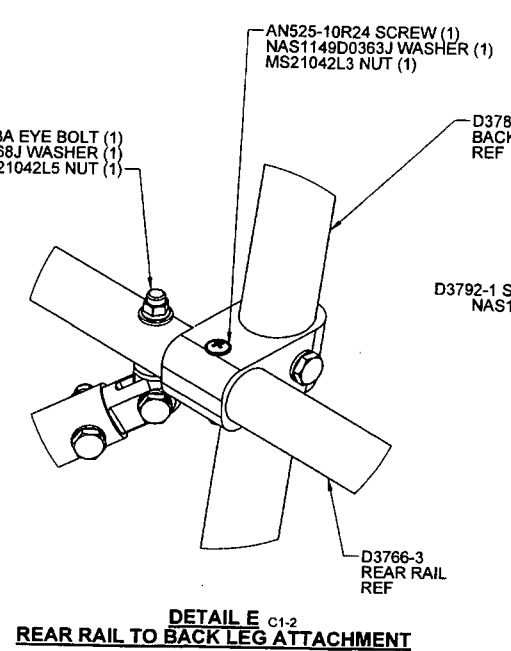
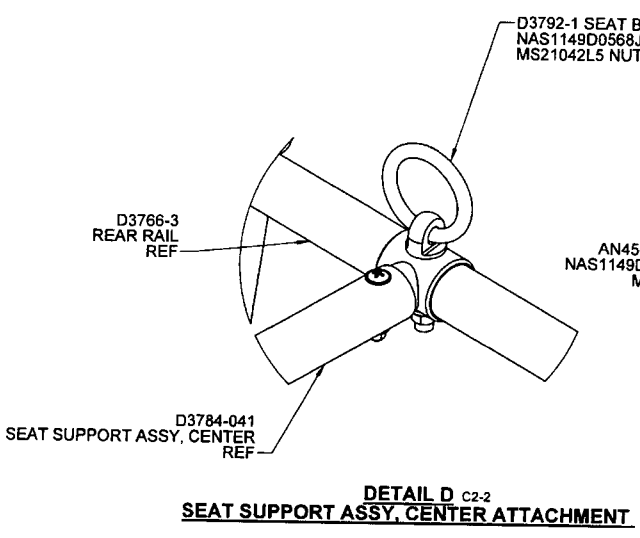


DETAIL B C1-2
SEAT SUPPORT END ATTACHMENT
 5 PL

RELEASED
 07.09.10

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	HS	DRAWING NO. D412-769-1	REV. B
MFG. APPR.	<i>[Signature]</i>	TITLE	SHEET 3 OF 7
APPROVED	<i>[Signature]</i>	AFT FACING SEAT ASSY, LH	
DE APPR.	<i>[Signature]</i>	SCALE	NTS
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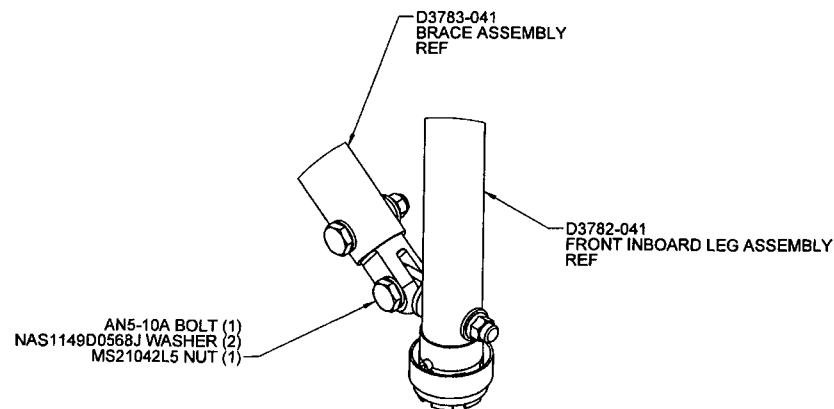
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RELEASED
08-07-09/10/11

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-1	SHEET 4 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, LH	NTS
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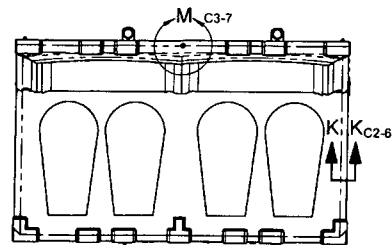
8 7 6 5 4 3 2 1



DETAIL G⁸²⁻²
BRACE ATTACHMENT
 6 PL

RELEASED
 08-07-07

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AS	DRAWING NO.	REV. B
MFG. APPR.	AS	D412-769-1	SHEET 5 OF 7
APPROVED	AS	TITLE	SCALE
DE APPR.	AS	AFT FACING SEAT ASSY, LH	NTS
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AN525-10R22 SCREW (1)
NAS1149D0332J WASHER (1)
MS21042L3 NUT (1)
3 PL PER SIDE

D3784-044
SEAT SUPPORT, RH
REF

AN525-10R22 SCREW (1)
NAS1149D0332J WASHER (1)
MS21042L3 NUT (1)
2 PL PER SIDE

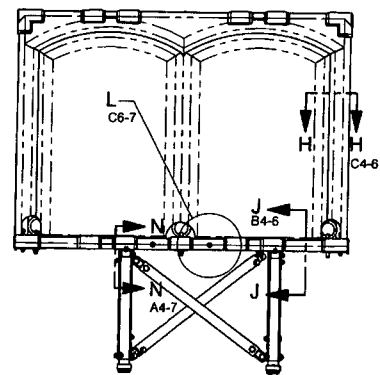
D3774-1
SEAT BOTTOM
REF

D3774-3
SEAT BACK
REF

D3784-044
SEAT SUPPORT, RH
REF

SECTION H-H B7-6

SECTION K-K D7-6



D3766-1
FRONT RAIL
REF

SECTION J-J A7-6

D3774-3
SEAT BACK
REF

D3774-1
SEAT BOTTOM
REF

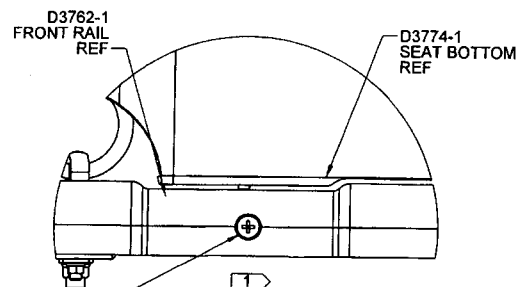
D3766-3
REAR RAIL
REF

AN3-5A BOLT (1)
NAS1149D0363J WASHER (2)
MS21042L3 NUT (1)
6 PL

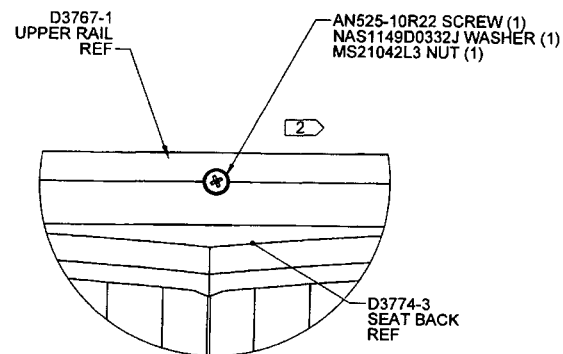
RELEASED
08-07-10

- NOTES:**
1) TRANSFER DRILL Ø0.201 FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BACK (D3774-3) - 3 PL/SIDE
2) TRANSFER DRILL Ø0.201 FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BOTTOM (D3774-1) - 2 PL/SIDE
3) TRANSFER DRILL Ø0.201 FROM SEAT BOTTOM (D3774-1) TO SEAT BACK (D3774-3) - 6 PL

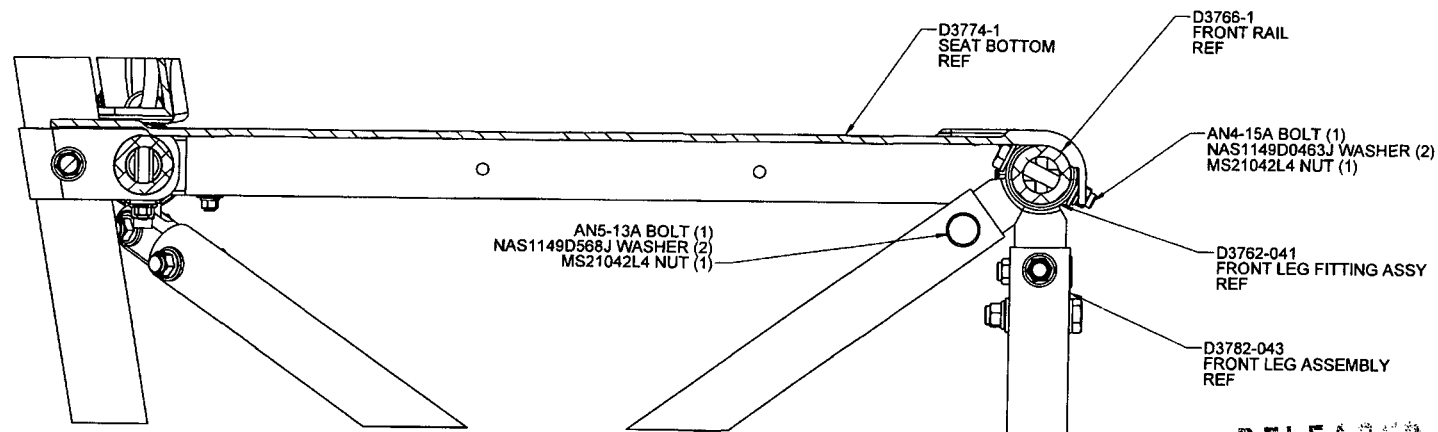
DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-1	SHEET 6 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, LH	NTS
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DETAIL L A7-6
SEAT BOTTOM ATTACH - FRONT DETAIL
2 PL



DETAIL M D7-6
SEAT BACK ATTACH - TOP DETAIL



SECTION N-N A8-6
FRONT LEG AND LONGITUDINAL ANGLE ATTACHMENT
2 PL

- NOTES:**
1) TRANSFER DRILL $\phi 0.201$ FROM FRONT RAIL (D3766-1) TO SEAT BOTTOM (D3774-1) - 2 PL
2) TRANSFER DRILL $\phi 0.201$ FROM UPPER RAIL (D3767-1) TO SEAT BACK (D3774-3) - 1 PL

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-1	SHEET 7 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, LH	NTS
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RELEASED
08-07-2010

DRAWING NO. D412-769-1	TITLE AFT FACING SEAT ASSY, LH	REV. B	DART AEROSPACE LTD ENGINEERING ORDER	D.E.O. NO. D412-769-1-B-1	SHEET NO. SHEET 1 OF 2	SCALE NTS
DRAWN	CHECKED <i>UP</i>	MF.G. APPR. <i>SM</i>	APPROVED <i>SM</i>	DE APPR. <i>SM</i>		
DATE 12.07.09	DATE 12/7/10	DATE 12-07-10	DATE 12-07-10	DATE 12-07-10		

PURPOSE:

ADDITION OF QTY(2) D4679-1 SPACER PER PAR12-207.

CHANGE:

PARTS LIST IS AMENDED AS FOLLOWS:

PART NUMBER	DESCRIPTION	QTY. (-043)
D3782-045	BACK LEG ASSY	2
D3782-041	FRONT INBOARD LEG ASSY	1
D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
D3783-041	LATERAL BRACE ASSY	1
D3783-043	LONGITUDINAL BRACE ASSY	2
D3783-045	ANGLE BRACE ASSY	1
D3784-041	SEAT SUPPORT ASSY	1
D3784-043	SEAT SUPPORT ASSY, LH	1
D3784-044	SEAT SUPPORT ASSY, RH	1
D3766-1	FRONT RAIL, LH	1
D3766-3	REAR RAIL	1
D3767-1	UPPER RAIL	1
D3792-1	SEAT BELT EYE BOLT	3
D3775-1	GUARD	2
D3774-1	SEAT BOTTOM	1
D3774-3	SEAT BACK	1
D4679-1	SPACER	2
AN3-5A	BOLT	6
AN4-15A	BOLT	2
AN45-13A	EYE BOLT	1
AN5-10A	BOLT	6
AN5-13A	BOLT	2
AN525-10R22	SCREW	11
AN525-10R24	SCREW	9
AN525-10R28	SCREW	2
MS21042L3	NUT	28
MS21042L4	NUT	2
MS21042L5	NUT	12
NAS1149D0332J	WASHER (AN960JD10L)	11
NAS1149D0363J	WASHER (AN960JD10)	23
NAS1149D0463J	WASHER (AN960JD416)	4
NAS1149D0568J	WASHER (AN960JD516)	20

NEW

QTY WAS 13

NEW

QTY WAS 13

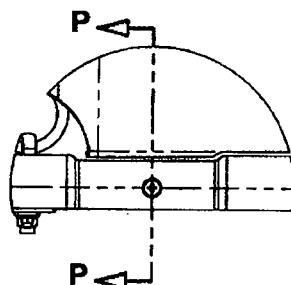
QTY WAS 21

RELEASED
2012-07-16
UP

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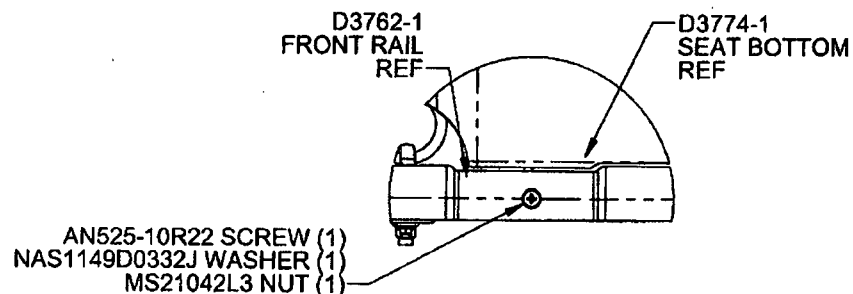
DRAWING NO. D412-769-1	TITLE AFT FACING SEAT ASSY, LH	REV. B	DART AEROSPACE LTD ENGINEERING ORDER	D.E.O. NO. D412-769-1-B-1	SHEET NO. SHEET 2 OF 2	SCALE NTS
DRAWN	CHECKED <i>up</i>	MFG. APPR. <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DE APPR. <i>[Signature]</i>		
DATE 12.07.09	DATE 12/7/10	DATE 12-07-10	DATE 12.07.10	DATE 12.07.10		

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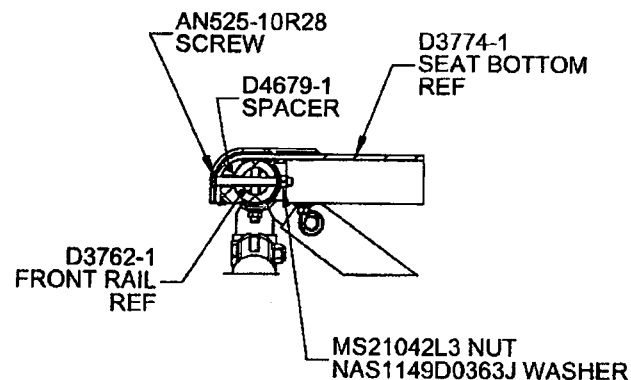


DETAIL L
SEAT BOTTOM ATTACH - FRONT DETAIL
2 PL

WAS:



DETAIL L
SEAT BOTTOM ATTACH - FRONT DETAIL
2 PL



SECTION P-P
INSTALLATION OF D4679-1 SPACER
2 PL

RELEASED
2012-07-16
[Signature]